| Index of | Claims |
|----------|--------|
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| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 09/745,621      | ECK ET AL.   |  |
| Examiner        | Art Unit     |  |
| Seyed Azarian   | 2625         |  |

| V | 1 | Rejected |
|---|---|----------|
| = | = | Allowed  |

|   | Restricted                     |
|---|--------------------------------|
| _ | (Through numeral)<br>Cancelled |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

|          |  | Data                       |          |            |              |              |  |          |          |            |   |
|----------|--|----------------------------|----------|------------|--------------|--------------|--|----------|----------|------------|---|
| Cla      | aim  | _                          | Date     |            |              |              |  |          |          |            |   |
| Final    | 3<br>4<br>5<br>6<br>7                                      | くくくくくくく 10/2/04            |          |            |              |              |  |          |          |            |   |
|          | ①  | ✓                          |          |            |              |              |  |          |          |            |   |
|          | 2  | ✓                          |          |            |              |              |  |          | i        |            |   |
|          | 3  | ✓                          |          |            |              |              |  | _        |          | _          |   |
|          | 4  | √                          |          |            |              |              | _  | _        | _        | _          |   |
|          | 5  | ✓                          |          |            |              |              | _  | _        |          |            |   |
|          | 6_   | V                          |          |            |              |              |  | _        |          | _          |   |
|          | -  | 1                          |          |            |              | $\vdash$     | $\dashv$   |          |          | $\dashv$   |   |
|          | 0  | 0                          |          | -          |              | $\vdash$     | $\dashv$   | $\dashv$ | _        |            |   |
|          | 100  | o<br>o<br>√                |          |            |              | $\vdash$     |  | 1        |          | $\dashv$   |   |
| _        | 17   | 0                          |          |            |              | Н            |  |          | _        |            |   |
|          | 12   | J                          | -        |            |              |              |  |          |          |            |   |
|          | 13   | V                          |          |            |              | П            |  |          |          |            |   |
|          | 14   | 0<br>√<br>√<br>√<br>√<br>√ |          |            |              |              |  |          |          |            |   |
|          | 15   | √                          |          |            |              |              |  |          |          |            |   |
|          | 16   | V                          | <u> </u> | L          | _            | Ш            |  |          |          |            |   |
|          | (2)  | ✓                          | _        | <u> </u>   | <u> </u>     |              |  |          |          | lacksquare |   |
|          | (8)  | √                          | _        | <u> </u>   | ļ            | _            | _  |          | _        |            |   |
| -        | 11<br>12<br>13<br>14<br>15<br>16<br>(7)<br>(8)<br>19<br>20 | ┞                          | _        |            | -            | -            | -  | _        |          | -          |   |
|          | 20   | -                          |          | -          | -            |              |  | _        | <u> </u> |            | l |
|          | 22   | -                          | ⊢        | -          |              | -            | -  | $\vdash$ | -        | -          |   |
| <u> </u> | 21<br>22<br>23<br>24<br>25                                 | -                          | -        |            | _            | ┢            | Н  | $\vdash$ | ┢╌       |            | ١ |
|          | 24   | İ                          | $\vdash$ | $\vdash$   | $\vdash$     |              |  |          |          |            | ١ |
|          | 25   | T                          |          |            | Г            |              | _  |          |          |            | 1 |
|          | 26<br>27<br>-28<br>29                                      |                            |          |            |              |              |  |          |          |            |   |
|          | 27   |                            |          |            | L            |              | _  |          |          | L.         |   |
|          | _28_   | <u> </u>                   |          | -          |              |              |  | _        |          | <u> </u>   | - |
| <u> </u> | 29   | <u> </u>                   | <u> </u> | <u>Ļ</u> . | <b>!</b>     | ┡            | _  | _        | <u> </u> | _          | 1 |
| <u> </u> | 30   | ╁                          | -        | ┢          | ⊢            | -            | $\vdash$   | -        |          | ├          | ł |
|          | 31   | -                          | ┢        | ┢          | ⊢            | -            | -  | _        |          | -          | ł |
| <u> </u> | 33   | +                          | 1        | ╁╴         | <u> </u>     | -            |  |          | $\vdash$ | H          | l |
| -        | 31<br>32<br>33<br>34                                       | <u> </u>                   | †        |            | ┢            |              | <u> </u>   |          |          |            | l |
|          | 35   | T                          | T        | T          | T            | T            |  |          |          | 1          |   |
|          | 36   |                            |          |            |              |              | Γ  |          |          |            | 1 |
|          | 36<br>37<br>38   | Ι.                         |          |            |              |              |  |          |          |            |   |
|          | 38   |                            |          |            | $oxed{oxed}$ |              | <u>_</u>   | L        |          | <u> </u>   | l |
| L_       | 39   | _                          | <u> </u> | 1          | <u> </u>     | <u> </u>     | _  |          |          | ╙          | ļ |
| ļ        | 40   | ↓_                         | _        | <b> </b>   | <u> </u>     | ļ            |  |          | ▙        | -          | - |
|          | 41   | +                          | $\vdash$ | $\vdash$   | 1            | ├-           | $\vdash$   | -        | -        | -          | ł |
|          | 42   | +                          | $\vdash$ | $\vdash$   | ┼            | +-           | $\vdash$   | -        | ⊢        | ┼-         | 1 |
|          | 43   | +                          | ╁        | +          | +            | +            | ╁  | -        | ╁┈       | $\vdash$   | 1 |
|          | 45   | ╁                          | +        | +          | $\vdash$     | <del> </del> | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$   | 1 |
|          | 46   | +-                         | $\vdash$ | $\vdash$   | †            | †            | <del>                                     </del> | H        | H        | t          | 1 |
|          | 47   | T                          | T        | T          | T            | T            | 1  | Т        | T        | 1          | 1 |
|          | 48   | T                          | T        |            |              |              | 1  | Г        | Ι.       |            | 1 |
|          | 49   |                            |          |            | L            |              |  |          |          | Γ          | ] |
|          |  |                            |          |            |              |              |  |          |          |            |   |

| Γ        | Cla   | im       |              |              |          |  | Date           | <del></del> -                                    |          |                                |  |
|----------|-------|----------|--------------|--------------|----------|--|----------------|--|----------|--------------------------------|--|
| Г        |       |          |              |              |          |  |                |  |          |                                |  |
|          | Final | Original |              |              |          |  |                |  |          |                                |  |
| L        |       | 51       |              |              |          |  |                | $\Box$   |          |                                | _  |
| L        |       | 52       |              | _            | L        |  |                |  | _        | _                              | $\dashv$   |
| F        |       | 53<br>54 | -            | _            | <u> </u> |  | -              | $\vdash$   |          | -                              |  |
| H        |       | 55       | -            |              | -        |  |                | Н  | _        |                                |  |
| $\vdash$ | -     | 56       | ┢            | -            | ┢        |  |                |  |          |                                |  |
| r        |       | 57       |              |              | T        | -  |                |  |          |                                |  |
| ľ        |       | 58       |              |              |          |  |                |  |          |                                |  |
|          |       | 59       |              |              | L        |  | L              |  |          |                                |  |
| L        |       | 60       | _            | _            | _        | _  | <u> </u>       | _  |          | _                              |  |
| F        |       | 61       |              | <u> </u>     |          |  | -              | ┝  |          | -                              | _  |
| $\vdash$ |       | 62<br>63 | -            | -            |          | -  | ┢              |  | -        | -                              |  |
| $\vdash$ |       | 64       | H            | H            | ┢        | -  | $\vdash$       | <del>                                     </del> |          | -                              | $\vdash$   |
| H        |       | 65       | ┢            | H            | -        |  | -              | <b>-</b>   |          |                                | _  |
| t        |       | 66       | T            |              | Т        |  |                |  |          |                                |  |
|          |       | 67       |              |              |          |  |                |  |          |                                |  |
| Ĺ        |       | 68       | _            | <u> </u>     |          |  |                | ļ  | <u> </u> |                                |  |
| L        |       | 69       | ļ            | <u> </u>     | L        | L  | _              | <u> </u>   |          | _                              |  |
| ŀ        |       | 70       | ├-           | ⊢            | ┢        | <del> </del> —                                   | _              |  | -        | ⊢                              | -  |
| ┝        |       | 71<br>72 |              | ⊢            | ┝        | -  | ┢              |  | ├        | <del> </del> —                 |  |
| +        |       | 73       | ┢            | $\vdash$     | ╁        | ┢╌   | -              | ┢  | -        | _                              |  |
| t        |       | 74       | ┢            | $t^-$        | $\vdash$ | $\vdash$   | Г              |  |          |                                |  |
| ľ        |       | 74<br>75 |              |              |          |  |                |  |          |                                |  |
|          |       | 76       | L            | <u></u>      |          |  | L              | L  |          | L                              |  |
| ļ        |       | 77       | ┞-           | ļ            | <u> </u> | _  | <u> </u>       |  | ļ_       | ļ                              |  |
| ŀ        |       | 78<br>79 | -            | -            | ┝        |  | <del> </del> — |  |          | -                              | <u> </u>   |
| ŀ        | _     | 80       | 1            | $\vdash$     |          | ₩  | ├              | -  | $\vdash$ | $\vdash$                       | -  |
| ŀ        |       | 81       | +            | <del> </del> | H        | <u> </u>   | ╁╴             |  | -        | ┢                              |  |
| r        |       | 82       | T            | T            | 1        | _  | ┢              | <u> </u>   |          | Г                              |  |
| İ        |       | 83       |              |              |          |  |                | İ  |          |                                |  |
|          |       | . 84     | _            |              |          |  |                |  |          |                                | ļ  |
| ļ        |       | 85       |              | _            | <u> </u> | L  | L              | <u> </u>   | _        | <u> </u>                       | ļ  |
| ļ        |       | 86       | <del> </del> | <b>├</b>     | ╀        | ▙  | ↓_             | _  | <b>}</b> | <del> </del>                   |  |
| -        |       | 87<br>88 | ╁            | ╀            | ╁        | ╀  | -              | ⊢  |          | ┝                              | -  |
| -        |       | 89       | ╁╌           | ╁            | ┢        | ┝  | -              | $\vdash$   | $\vdash$ | ┢                              | ╫  |
| ŀ        |       | 90       | t            | ╁            | t        | <del>                                     </del> | ╁╌             |  | ╁╌       |                                | <del>                                     </del> |
| t        |       | 91       | t            | $\dagger$    | $\vdash$ | T  | T              | 1  | <u> </u> | T                              | <u> </u>   |
| Į        |       | 92       |              |              |          |  |                |  |          |                                |  |
|          |       | 93       | $\Box$       | Ľ            |          |  |                |  | Ĺ        | $oxedsymbol{oxedsymbol{oxed}}$ | L  |
| L        |       | 94       | L            | L            |          | $\perp$  | L              | <u> </u>   | L        | L                              | <u> </u>   |
| ŀ        |       | 95       |              | ╀            | $\vdash$ | $\vdash$   | -              | 1  | <u> </u> | $\vdash$                       | -  |
| ŀ        |       | 96<br>97 | -            | ╀            | ╁.       | -  | +-             | -  | $\vdash$ | $\vdash$                       | +  |
| ŀ        |       | 98       | +            | ╁            | ╁        | +  | ╁              | $\vdash$   | $\vdash$ | $\vdash$                       | ╁  |
| }        |       | 99       | $\vdash$     | +            | +        | +  | ╁╌             | +  | +        | +                              | H  |
| ŀ        |       | 100      | T            | T            | t        | T  | T              | $\vdash$   | T        | T                              | 1  |
| L        |       |          | ٠            | ٠            | ٠.       | Ь  | ┸              | ٠  |          | 1                              | 1  |

| Cla          | aim                      |              |  |                | [            | ate  | <del></del>                                      |                  |  | _  |
|--------------|--------------------------|--------------|--|----------------|--------------|--|--|------------------|--|--|
|              |                          |              |  |                |              |  |  |                  |  | $\dashv$   |
| <del>-</del> | Original                 |              |  |                |              |  |  |                  |  |  |
| Final        | įġ                       |              |  |                |              |  |  |                  |  | 1  |
| u.           | ō                        |              |  |                |              |  |  | ĺ                |  |  |
|              |                          |              |  |                | $\vdash$     | $\vdash$   |  | -                | $\dashv$   |  |
|              | 101<br>102<br>103        |              |  |                | $\vdash$     |  | _  | $\dashv$         | -  |  |
|              | 102                      | _            | _  |                | L            |  | _  | _                |  | $\dashv$   |
|              | 103                      |              |  |                |              |  |  | _                |  | ᅴ  |
|              | 104<br>105               |              |  |                | _            |  |  | _                | _  | _  |
|              | 105                      |              |  |                |              |  |  |                  | _  |  |
|              | 106                      |              |  | _              |              |  |  |                  |  | _  |
|              | 107                      |              |  |                |              |  |  |                  |  |  |
|              | 108                      |              |  |                |              |  |  |                  |  | _  |
|              | 109<br>110               |              |  |                |              |  |  |                  |  |  |
|              | 110                      |              |  |                |              |  |  |                  |  |  |
|              | 111                      |              |  |                |              |  |  |                  |  |  |
|              | 112                      |              |  |                | 1            |  |  |                  |  |  |
|              | 113                      |              |  | -              | -            | <del>                                     </del> |  |                  |  |  |
|              | 113<br>114<br>115        | Н            | -  | $\vdash$       |              | <del>                                     </del> | М  |                  |  |  |
|              | 115                      | H            |  | $\vdash$       | <del> </del> | <del>                                     </del> | <del>  -</del>                                   |                  | -  | $\vdash$   |
|              | 116                      | $\vdash$     |  |                | <del> </del> |  |  | $\overline{}$    | Н  | $\vdash$   |
|              | 117                      | $\vdash$     | _  | $\vdash$       | $\vdash$     | $\vdash$   | $\vdash$   |                  | $\vdash$   |  |
|              | 117                      | $\vdash$     | -  | -              | $\vdash$     | $\vdash$   | ┢  |                  | $\vdash$   |  |
|              | 118                      |              |  | -              |              | ⊢  | -  | Н                |  |  |
|              | 119<br>120               | L            |  | <u> </u>       | _            | -  | _  | <u> </u>         |  |  |
|              | 120                      |              |  | <u> </u>       | ļ            | —  | ļ  | _                | <u> </u>   | _  |
|              | 121                      |              |  |                | <u> </u>     | ┞  | L  | L                | <u> </u>   |  |
|              | 122                      |              |  |                | <u> </u>     | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | L.               | <u> </u>   |  |
|              | 123                      |              |  | <u>L</u>       | 1_           | <b>↓</b> _                                       |  | _                | _  |  |
|              | 122<br>123<br>124<br>125 |              |  |                |              | <u> </u>   | L  |                  |  |  |
|              | 125                      |              |  |                |              |  |  | L                |  |  |
|              | 1 1 /h                   |              |  |                |              | l  |  |                  |  |  |
|              | 127                      |              |  |                |              | I  |  |                  |  |  |
|              | 127<br>128<br>129        |              |  |                |              |  |  |                  |  |  |
|              | 129                      |              |  |                |              |  |  |                  |  |  |
|              | 130                      |              |  |                |              | Г  |  |                  |  |  |
|              | 131                      | $\vdash$     |  | $\vdash$       | T            |  |  |                  |  |  |
|              | 132                      | <u> </u>     | $\vdash$   | -              | $t^-$        | t  |  | <u> </u>         | T  |  |
|              | 133                      | $\vdash$     | Ι-   | $\vdash$       | H            | <del>                                     </del> | <del>                                     </del> | ✝                |  | $\vdash$   |
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| _ •••        | 134                      | <del> </del> | <del>                                     </del> | <del>  -</del> | 1-           | $\vdash$   |  | $\vdash$         | -  |  |
|              | 135<br>136               | $\vdash$     | ├-   | -              | ╁            | <del> </del>                                     | $\vdash$   | -                | <del>  -  </del>                                 | $\vdash$   |
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|              | 137                      | $\vdash$     | <del> </del>                                     | -              |              | <del> </del> —                                   | $\vdash$   | $\vdash$         | -  |  |
|              | 138                      | ├-           | ₩  | ـ              | ₽-           | ├  | ├  | ⊢                | $\vdash$   | ├  |
|              | 139                      | <b> </b>     | <u> </u>   | <u> </u>       | $\vdash$     | ├-   | ऻ  | <u> </u>         | <b>!</b> —                                       |  |
|              | 140                      | <u> </u>     | _  | ╙              |              | ↓_   | <u> </u>   | L-               | <u> </u>   | <u> -</u>  |
|              | 141                      | L            | $oxed{oxed}$                                     | 1_             | <del> </del> | <del> </del>                                     | 1  | <u> </u>         | <u>L</u>   | L  |
|              | 142                      | L            | L  | <u> </u>       |              | ــــــــــــــــــــــــــــــــــــــ           | <u> </u>   | oxdot            | <u> </u>   | otag   |
|              | 143                      | Ĺ            | L  |                |              | <u> </u>   | 匚  | <u></u>          | <u> </u>   | _  |
|              | 144                      | $\Box$       |  |                |              | L  | L  | L                |  |  |
|              | 145                      | П            |  |                | Г            | Π  | Γ  |                  |  | Γ  |
|              | 146                      | T            | 1  |                |              | T  | Т  | Г                | $\vdash$   |  |
|              | 147                      | 1            | T  | $\vdash$       | T            | 1  | T  | 1                | T  | T  |
|              | 148                      | T            | tΤ   | +-             | T            | $t^-$  | 1  | $\vdash$         | <del>                                     </del> | Г  |
|              | 149                      | $\vdash$     | t  | +-             | $\dagger$    | $\vdash$   | t  | ┢╌               | $\vdash$   | $\vdash$   |
|              | 150                      | +            | $\vdash$   | +              | +            | $\vdash$   | $\vdash$   | <del>  -  </del> | +  | <del>                                     </del> |
| L            | 130                      | 1            | <u> </u>   | <u> </u>       | L            | 1  | ــــــــــــــــــــــــــــــــــــــ           | <u> —</u>        | L  | Ц.   |